



South Carolina LiDAR Partnership Workshop

Tuesday, April 8, 2008

**Columbia Conference Center
169 Laurelhurst Avenue
Columbia, SC 29210**

www.columbiameetings.com/directions.htm

Agenda

8:30 Sign-in

Morning Drinks & Food
Bagels, Muffins, Coffee
Bottled Water, Soft Drinks

Sponsored by Fugro EarthData

9:00 Introductions
Project Status and Plans

Jim Scurry
Gary Merrill

9:15 Fugro Earthdata
LiDAR 101
Sensor, Aircraft, and How LiDAR works
Design Considerations / Overview Production Flow

Harold Remple
Bill Shinar

SC Project
Flight layout / Terrain considerations,
Acquisition / Deliverable products,
Formats and specifications
Value-added uses and its products
Feasible products with SC LiDAR

10:15 Break

10:30 ESRI; ArGIS Spatial Analyst / 3D Analyst
Gridding of Hydro-corrected DEMs
Generation of Contours
Floodplain Delineation
Watershed Delineation
Viewshed / Line-of-sight

Clayton Crawford
Lindsay MacDonald



11:30 **Open Discussion**

12:00 **Lunch**

Box Lunches provided
Discussion / Question period

Sponsored by SCDNR

1:00 **GeoCue Corporation**

Martin Flood

Professional Services
Workflow process with GeoCue
TerraScan / TerraModeler with Bentley's MicroStation
LiDAR point cloud to contours in a CAD environment
QA/QC workflows for LiDAR data users

2:00 **Break**

Sponsored by GeoCue

Full Refreshments Provided

2:15 **Merrick & Company**

Bill Emison

Intro to Merrick Advanced Remote Sensing Software(MARS)
LiDAR data collection concepts, and overview
QA/QC procedures
Data import / export
Data classification (aka filtering)
Breakline compilation (hydro-enforcement)
Data Production:
Contours, Grids, Feature Extraction, Buildings, Impervious Surfaces

3:15 **Open Discussion**

3:45 **Closing Remarks**

You are welcome to stay for further questions and to network

4:00 **Meet with Workshop Sponsors**

ESRI
Fugro EarthData
GeoCue
Merrick & Company
SCDNR
USGS

5:00 **Thank You**

Workshop Goals

Status of 2008 project flight and product deliverables
Provide consortium membership with an overview of incoming LiDAR data
Demonstrate software packages to highlight benefits of SC LiDAR
Discuss funding plans for 2009 and 2010 flights
Invite new members to join consortium project

2008 Status: Statewide – Multi-year Project

Flight complete – 16 counties
Data processing underway
Delivery Schedule by County:

May 15, 2008	Greenwood	Clarendon
June 15, 2008	Marion	Laurens
July 15, 2008	Williamsburg	Chester
Aug 15, 2008	Chesterfield	Marlboro
Sept 15, 2008	Orangeburg	Cherokee
Oct 15, 2008	Lancaster	Union
Nov 15, 2008	Dillon	Darlington
Dec 15, 2008	Fairfield	Newberry

Points of Contact

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Workshop Sponsors

